



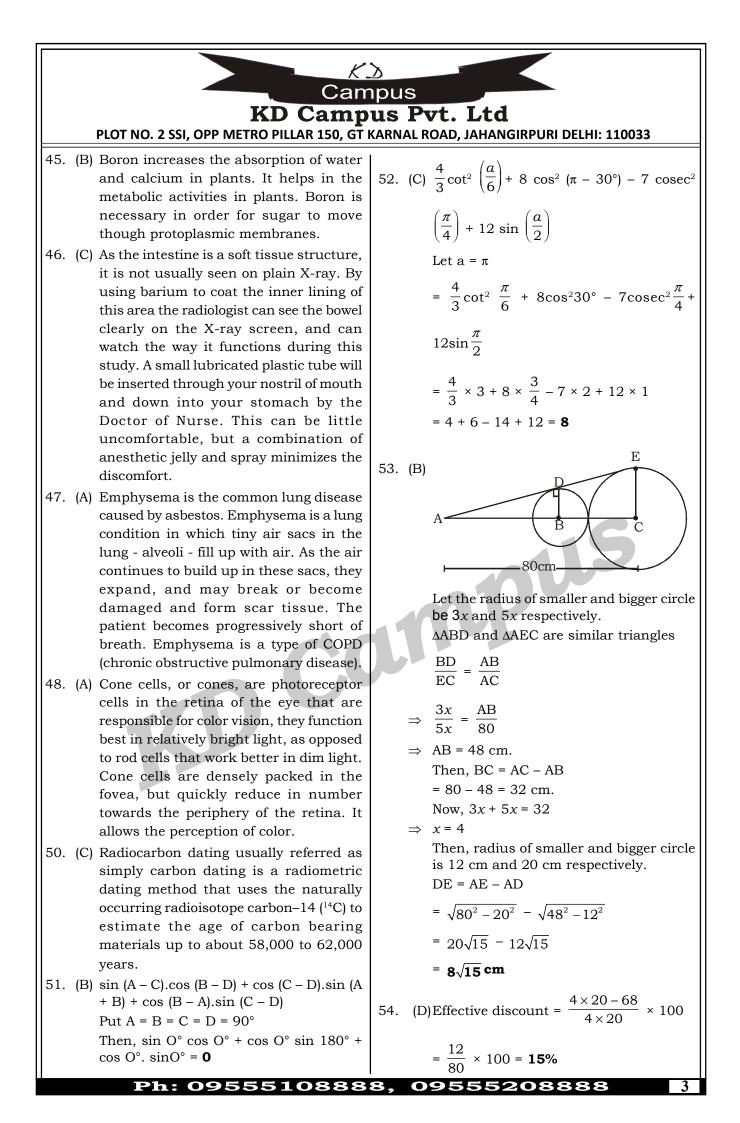
- 28. (C) Dr Jitendra Singh has launched a new training programme Comprehensive Online Modified Modules on Induction Training (COMMIT) for state Government officials at 29 June 2017 according to PIB report . The main objective of this training programme is to improve the public service delivery mechanism and provide citizen-centric administration through capacity building of officials who interact with the citizens on a day to day basis. COMMIT will be launched in 6 states of Assam, Haryana, Maharashtra, Tamil Nadu, Telangana and west Bengal initially on pilot basis during the current financial year.
- 29. (B) Prime Minister Narendra Modi led the Indian Delegation at the 12th edition of G20 Summit, at Hamburg in Germany on July 7-8, 2017. The theme of the 12th G 20 summit is "Shaping an interconnected world." The Summit was organized around three pillars-stability, Sustainability and Responsibility.
- 30. (C) Maize (called corn in some parts of the world) is pollinated, by air. The male anthers flowers are either male and female on a corn, rather than both sexes in one flower. Maize flowers have evolved to use air for pollination.
- 31. (D) Tryst with Destiny speech was made by Jawaharlal Nehru, the first Prime Minister of independent India. The Speech was made to the Indian Constituent Assembly, on the eve of India's Independence, towards midnight on 14 August 1947.

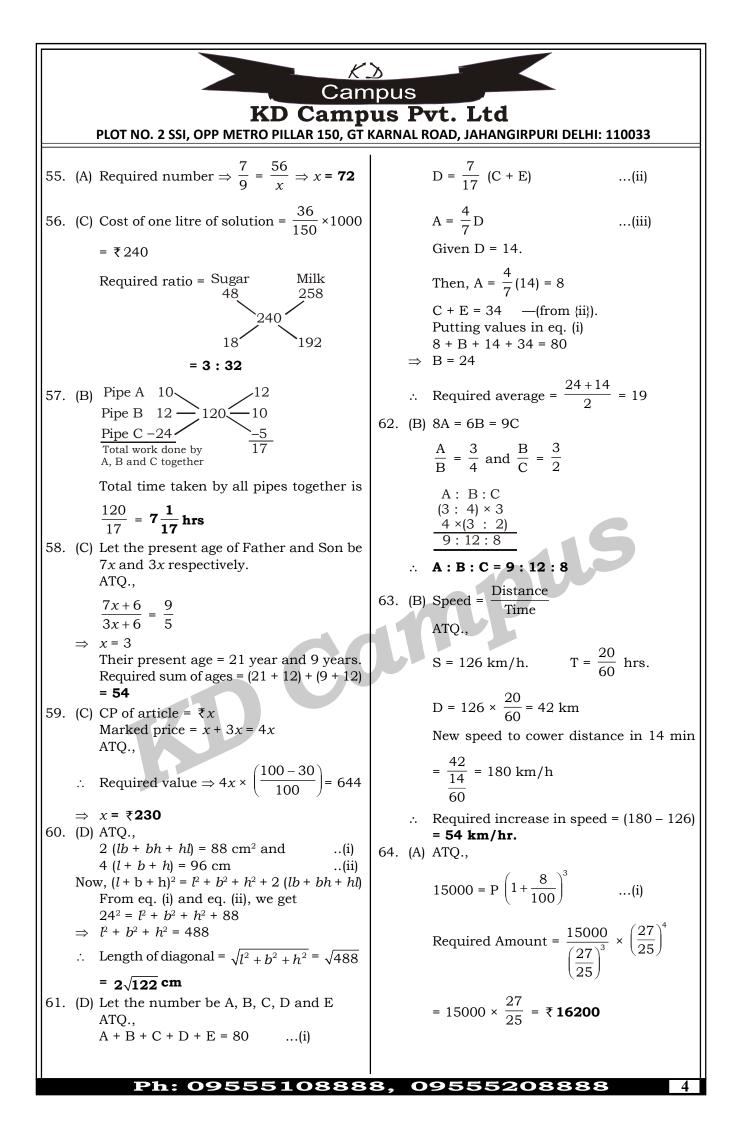
The phrase "rendezvous with destiny" was used by Franklin D. Roosevelt in his 1936 Democratic National Convention speech.

- 32. (D) The preamble to the Constitution of India is a brief introductory statement that sets out guiding purpose and principles of the document. As originally enacted the preamble described the state as a 'sovereign democratic republic.' In 1976 the Forty- second Amendment changed this to read "sovereign Socialist secular democratic republic".
- 33. (D) Indian Shuttler Kidambi Srikanth won the Australian Open Super Series Badminton trophy by defeating former world number one and Rio Olympics Gold medalist Chen Long in Sydney on June

25. 2017. With this, Srikanth became the fifth player clash in Singapore, Indonesia and Australia.

- 36. (A) National emergency is caused by war, external aggression or armed rebellion in the whole of India or part of its territory. The President can declare such an emergency only on the basis of a written request by the Council of Ministers headed by the Prime Minister. Such a proclamation must be approved by the Parliament within one month. Emergency can be imposed for six months. It can be extended by six months by repeated parliamentary approval.
- 38. (D) Official Opposition is a term used in India to designate the political party which has secured the largest number of seats in the Lower house of parliament (Lok Sabha) but is not a part of the ruling party of coalition. A political party is officially accorded the status of an opposition party in Lok Sabha, only if it secures at least 10 percent of the seats.
- 40. (A) Nagarjun was associated with the formulation of the basic ideas of the Mahayana Buddhism. Nagarjun gave the 'Madhyamika' Philosophy or the philosophy of the middle way and taught that there is neither reality nor nonreality but only relativity.
- 42. (D) When heated from 0° to 10° C volume of a given mass of water will first decrease and then increase. If the word "ice" or "solid" is not mentioned, the word "water" means liquid water. Water vapor can be produced from the evaporation or boiling of liquid water. So the volume first decreases and then increases again when water droplets form the vapors due to stoppage of heat.
- 43. (C) A cricketer lowers his hands while taking a catch to decrease the rate of momentum. Cricketers increase the time by pulling their hand's backward with ball while taking a catch. Linear momentum or translational momentum is the product of the mass and velocity of an object.
- 44. (A) Our bones and teeth are generally made up of Tricalcium Phosphate. Tricalcium phosphate is a calcium salt of phosphoric acid with the chemical formula Ca<sub>3</sub> (PO<sub>4</sub>)<sub>2</sub>





**EXAMPLE SET UP:**  
**EXAMPLE 150.** CTANNAL ROAD, AHAMORPUN DELH: 11003  
**65.** (C) 
$$\frac{x+y}{z} - \frac{8}{5} = 5x + 5y - 8z ...(i)$$
 and  
 $\frac{y+z}{z} = \frac{3}{2} - 2y + 2z = 3x ...(ii)$   
From (i) and (ii), we get  
 $3 \times (5x + 5y = 8a)$   
 $5 \times (-3x + 2y = -2a)$   
 $25y - 14z$   
 $\Rightarrow z = \frac{25}{14}y$  ....(iii)  
Putting eq. (iii) in eq. (ii), we get  
 $\Rightarrow x = \frac{13}{7}y$  ....(iv)  
 $x = \frac{13}{7}y = \frac{13}{14}y = \frac{51}{14}$   
 $66.$  (D)  $A = 3 + 2\sqrt{2}$  and  $A = B = 1$   
 $\text{Then B} = \frac{1(3 - 2\sqrt{2})}{(3 + 2\sqrt{2})(3 - 2\sqrt{2})}$   
 $B = 3 - 2\sqrt{2}$   
 $\text{Then,  $\frac{1}{A^2} + \frac{1}{B^2} = \frac{A^3 + B^3}{(AB)^3}$   
 $= (3 + 2\sqrt{3})^2 + (3 - 2\sqrt{2})$   
 $a = 34$   
 $67.$  (C) LCM of 3, 4, 6 = 12  
Least three digit number multiple of 11s  
 $3 - 1 - 4 - 2 - 6 - 4 = 2$ .  
 $\text{Then, add 2 to 108}$   
 $N = 108 = 108$ .  
 $3 - 1 - 4 - 2 - 6 - 4 = 2$ .  
 $\text{Then, add 2 to 108}$   
 $N = 108 = 108$ .  
 $3 - 1 - 4 - 2 - 6 - 4 = 2$ .  
 $\text{Then, add 2 to 108}$   
 $N = 108 = 108$ .  
 $3 - 1 - 4 - 2 - 6 - 4 = 2$ .  
 $\text{Then, add 2 to 108}$   
 $N = 118$  is bidied by 7, the remainder  
is 5.  
(68. (B) Let the sides be a cm  
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(c) D. A side the serverge production of rice in state **S**  
is equal to the averge production of rice in state **S**  
(c)  $A = 120 +$$ 

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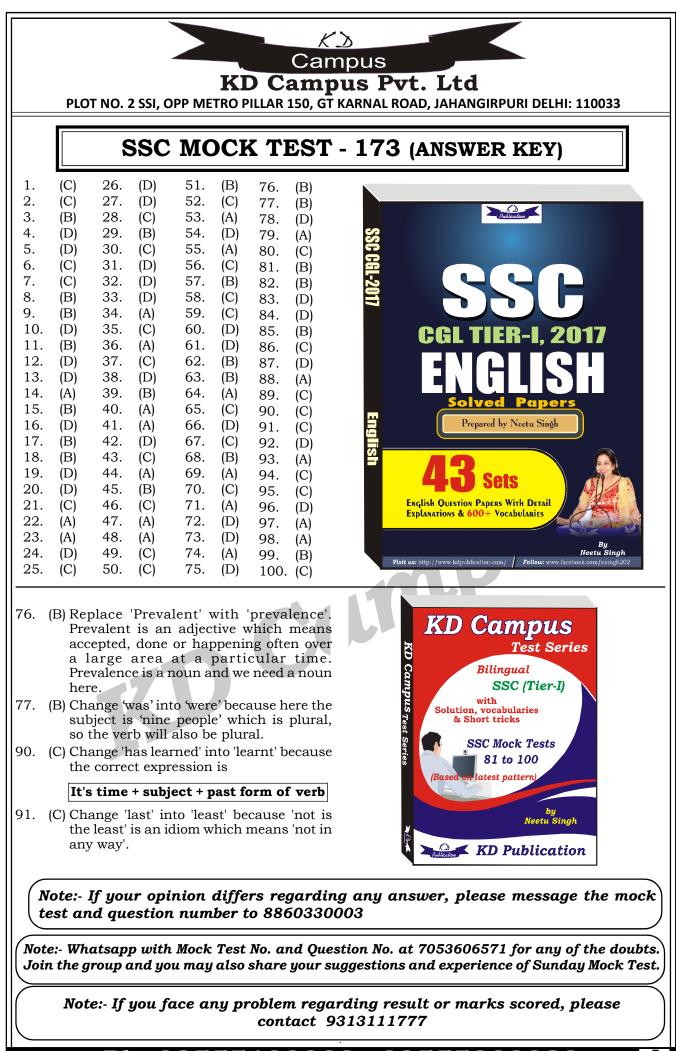


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## **MEANINGS IN ALPHABETICAL ORDER**

Word	Meaning in English	Meaning in Hindi
Agitation	to disturb, excite, or anger someone	उत्तेजित करना
Perturbation	the state of being worried or upset	घबराहट
Diffidence	lacking confidence	सशंय
Aplomb	confidence and skill shown especially in a	संयम, आत्मविश्वास
	difficult situation	
Sustained	to provide what is needed for something or	अनवरत
	someone to exist, continue, etc.	
Tormented	something that causes extreme physical or	सतंप्त
	mental pain	
Plagued	a large number of harmful or annoying things	त्रस्त
Implemented	to make something active or effective	कार्यान्वित
Feign	to pretend to feel or be affected by something	कार्यान्वित ढ्रोग करना
Sheen	a soft, smooth, shiny quality	चमक
Ritzy	impressively or ostentatiously fancy or stylish	सरूप
Austere	simple or plain	सादगीपस्न्द
Rookie	person who has just started a job or activity	धोखेबाज
	and has little experience	
Sartorial	of or relating to clothes	कपड़ा के विषय का
Homespun	a loosely woven usually woolen or linen fabric	कपड़े से संबंधित
	originally made from yarn	
Psephologist	the scientific study of elections	चुनाव विश्लेषक
Scrupulous	very careful about doing something correctly	सूक्षम
Immaculate	having no flaw or error	शुद्ध
Sordid	very bad or dishonest	घिनौना, बेईमान
Metamorphosis	a change of the form or nature of thing or	कायापलट
	person into a completely different one	
Reconnaissance	a preliminary survey to gain information	पूर्व-परीक्षण

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